Author Index—Volume 57
January–December 2009

Abdelgaleil, Samir A.M. 6
Abdel-Razeek, Neama 6
Abit, M. Joy M. 563
Abouziena, H.F. 16
Agrama, Hesham A. 627
Al-Khatib, Kassim 169, 563
Anderson, James V. 451
Andersson, Lars 526
Andreassi, John L., II 142
Arco, María J Sánchez del 660
Ascough, James C., II 175
Bainard, L.D. 386
Barbercheck, Mary E. 533
Bashtanova, Uliana B. 584
Bastida, Fernando 660
Bauman, Thomas T. 417
Beckett, K. Paul 584
Belles, David S. 43
Bellinder, Robin R. 66
Black, Howard 94, 394
Blackshaw, Robert E. 311
Blanco-Moreno, J.M. 505
Bostamam, Yazid 435
Boutsalis, Peter 435
Boyd, Nathan S. 541
Brainard, Daniel C. 66
Brewer, Chad E. 567
Brown, P.D. 386
Brunk, Galen 10
Bukun, Bekir 10
Burgos, Nilda R. 94, 394, 474
Burke, Ian C. 427
Burton, James D. 1, 357
Burton, Michael G. 290
Canner, Stephen R. 175
Cardina, John. 261
Carter, Richard 603
Casari, Giorgio 194
Chamorro, L. 505
Charlson, Dirk 474
Chauhan, Bhagirath S. 36, 235, 379
Chaves, Fabio C. 470
Chen, Rong-Fang. 229
Clayton, George W. 326
Creech, J. Earl 489
Cui, Hailan 521
Culpepper, A. Stanley. 81, 351, 404
Dales, D. 404
Davis, Adam S. 163, 296, 442
Davis, Vince M. . . . 281, 417, 489, 494, 652
Dayan, Franck E. 579
de Fátima P. S. Machado, Maria 54
Delatorre, Carla A. 474
D'Emden, Francis H. 61
Diamantidis, Grigorios C. 362
DiTommaso, Antonio 133
Dlugosch, Katrina M. 451
Dolman, Fleur C. 435
Doohan, Doug 87
Dorado, José 155
Dordas, Christos A. 362
Drummond, Emily B.M. 410
Duff, Michael G. 169
Dunn, Gale H. 175
Eizenga, Georgia C. 627
Eleftherohorinos, Ilias G. 362
Elmergawi, R.A. 16
Erskine, Robert H. 175
Everman, Wesley J. 1, 357
Felix, Joel 87
Feng, Yu-Long 26
Fernández-Quintanilla, César 155
Ferrell, Jason 31
Flanders, J. Timothy 81
Flowers, Timothy J. 584
Forcella, Frank 216
Frigo, Mariléia J. 54
Gaines, Todd A. 10
Gealy, David R. 94, 394, 627
Geng, R.M. 554
Gianfagna, Thomas J. 470
Gibson, Kevin D. 281, 417
Gill, Gurjeet S. 202
Goddard, Russell H. 603
Gong, George 463
González-Andújar, José L. 660
Gorchov, David L. 512
Gramig, Greta G. 271
Green, Jerry M. 108, 142
Grey, Timothy L. 81, 351, 404, 603
Grundy, Andrea C. 155
Gu, Xuebin 547
Gulden, Robert H. 665
Gundersen, Hanne. 338
Gutteridge, Steven A. 142
Gwathmey, C. Owen. 346
Hale, Theresa 142
Hall, J. Christopher 442
Hall, Linda M. 124
Haller, William T. 482
Hamill, Al S. 665
Hanson, Bradley D. 48
Harker, K. Neil. 124, 326
Harrington, Timothy B. 620
Hart, Stephen E. 470
Henry, Mary C. 512
Herms, Catherine P. 261
Hernandez, Alvaro G. 463
Horvath, David P. 451
Huang, Hongjuan 521
Hugie, Josie A. 369
Hulting, Andrew G. 533
Intanon, Suphannika 574
Irvine, R. Byron. 326
Ivany, Jerry 87
Izquierdo, J. 505
Izquierdo, Jordi 660
Jabbour, Randa 533
Jasieniuk, Marie 442, 593
Jha, Prashant 644
Jia, Melissa 394
Jian, You-Zhi. 248
Johnson, David E. 36, 235, 379
Johnson, William G. 281, 417, 489, 494, 652
Kaloumenos, Nikolaos S. 362
Kegode, George O. 87
Kim, Ryan W. 463
Kleemann, Samuel G.L. 202
Kruger, Greg R. 494, 652
Krutz, L. Jason 427
Kumar, Virender 66
Légère, Anne 187
Lamego, Fabiane P. 474
Lee, Ryan M. 463
Lemieux, Claudel 187
Leon, Ramon G. 103
Leroux, Gilles D. 187
Lezaún, Juan A. 660
Li, Xiangju 521
Li, Yang-Ping 26
Li, Zhengming 133
Liao, Yu L. 256
Llewellyn, Rick S. 61
Locke, Martin A. 442
Longchamps, Louis 187
Loux, M.M. 652
Loux, Mark M. 494
Lu, Wei 133
Luschei, Edward C. 163, 442
MacDonald, Gregory 31
Mallory-Smith, Carol 451, 574
Malone, Julian 103
Mangolin, Claudete A. 54
Markham, Melinda Y. 208
Mashhadi, Hamid R. 613
Masin, Roberta 194
Mauromoustakos, Andy 94, 394
Maxwell, Bruce D. 241
Mayhew, Cassandra R. 1
McCullough, Patrick E. 470
McMaster, Gregory S. 175
McPherson, Marc A. 124
Menalled, Fabian D. 241
Mikel, Mark A. 463
Mock, Valerie A. 281, 489
Molnar, Louis J. 311
Mortensen, David A. 442, 533
Muir, Jennifer L. 410
Netherland, Michael D. 482
Nie, Jun. 256
Nielsen, Helle H. 338
Nielson, Ryan L. 124
Nissen, Scott J. 10, 43
Norsworthy, Jason K. 644
O'Donovan, John T. 124, 326
Ohadi, Sara 613
Oldham, Michelle 149
Oliveira, Rubem S., Jr 54
Oliver, Lawrence R. 567
Omar, A.A. 16
Otto, Stefan 194
Owen, Mechelle J. 61
Owen, Micheal D.K. 74
Pagano, Margaret A. 142
Panneton, Bernard 187
Pataky, Jerald K. 296
Perez-Jones, Alejandro 574
Peterson, Dallas E. 169
Peterson, Vanelle F. 10
Place, George T. 290
Pollnac, Fredric W. 241
Powles, Stephen B. 61
Preston, Christopher 43, 435
Price, Andrew J. 427
Puri, Atul 482

Author Index—Volume 57
January–December 2009

Abdelgaleil, Samir A.M. 6
Abdel-Razeek, Neama 6
Abit, M. Joy M. 563
Abouziena, H.F. 16
Agrama, Hesham A. 627
Al-Khatib, Kassim 169, 563
Anderson, James V. 451
Andersson, Lars 526
Andreassi, John L., II 142
Arco, María J Sánchez del 660
Ascough, James C., II 175
Bainard, L.D. 386
Barbercheck, Mary E. 533
Bashtanova, Uliana B. 584
Bastida, Fernando 660
Bauman, Thomas T. 417
Beckett, K. Paul 584
Belles, David S. 43
Bellinder, Robin R. 66
Black, Howard 94, 394
Blackshaw, Robert E. 311
Blanco-Moreno, J.M. 505
Bostamam, Yazid 435
Boutsalis, Peter 435
Boyd, Nathan S. 541
Brainard, Daniel C. 66
Brewer, Chad E. 567
Brown, P.D. 386
Brunk, Galen 10
Bukun, Bekir 10
Burgos, Nilda R. 94, 394, 474
Burke, Ian C. 427
Burton, James D. 1, 357
Burton, Michael G. 290
Canner, Stephen R. 175
Cardina, John. 261
Carter, Richard 603
Casari, Giorgio 194
Chamorro, L. 505
Charlson, Dirk 474
Chauhan, Bhagirath S. 36, 235, 379
Chaves, Fabio C. 470
Chen, Rong-Fang. 229
Clayton, George W. 326
Creech, J. Earl 489
Cui, Hailan 521
Culpepper, A. Stanley. 81, 351, 404
Dales, D. 404
Davis, Adam S. 163, 296, 442
Davis, Vince M. . . . 281, 417, 489, 494, 652
Dayan, Franck E. 579
de Fátima P. S. Machado, Maria 54
Delatorre, Carla A. 474
D'Emden, Francis H. 61
Diamantidis, Grigorios C. 362
DiTommaso, Antonio 133
Dlugosch, Katrina M. 451
Dolman, Fleur C. 435
Doohan, Doug 87
Dorado, José 155
Dordas, Christos A. 362
Drummond, Emily B.M. 410
Duff, Michael G. 169
Dunn, Gale H. 175
Eizenga, Georgia C. 627
Eleftherohorinos, Ilias G. 362
Elmergawi, R.A. 16
Erskine, Robert H. 175
Everman, Wesley J. 1, 357
Felix, Joel 87
Feng, Yu-Long 26
Fernández-Quintanilla, César 155
Ferrell, Jason 31
Flanders, J. Timothy 81
Flowers, Timothy J. 584
Forcella, Frank 216
Frigo, Mariléia J. 54
Gaines, Todd A. 10
Gealy, David R. 94, 394, 627
Geng, R.M. 554
Gianfagna, Thomas J. 470
Gibson, Kevin D. 281, 417
Gill, Gurjeet S. 202
Goddard, Russell H. 603
Gong, George 463
González-Andújar, José L. 660
Gorchov, David L. 512
Gramig, Greta G. 271
Green, Jerry M. 108, 142
Grey, Timothy L. 81, 351, 404, 603
Grundy, Andrea C. 155
Gu, Xuebin 547
Gulden, Robert H. 665
Gundersen, Hanne. 338
Gutteridge, Steven A. 142
Gwathmey, C. Owen. 346
Hale, Theresa 142
Hall, J. Christopher 442
Hall, Linda M. 124
Haller, William T. 482
Hamill, Al S. 665
Hanson, Bradley D. 48
Harker, K. Neil. 124, 326
Harrington, Timothy B. 620
Hart, Stephen E. 470
Henry, Mary C. 512
Herms, Catherine P. 261
Hernandez, Alvaro G. 463
Horvath, David P. 451
Huang, Hongjuan 521
Hugie, Josie A. 369
Hulting, Andrew G. 533
Intanon, Suphannika 574
Irvine, R. Byron. 326
Ivany, Jerry 87
Izquierdo, J. 505
Izquierdo, Jordi 660
Jabbour, Randa 533
Jasieniuk, Marie 442, 593
Jha, Prashant 644
Jia, Melissa 394
Jian, You-Zhi. 248
Johnson, David E. 36, 235, 379
Johnson, William G. 281, 417, 489, 494, 652
Kaloumenos, Nikolaos S. 362
Kegode, George O. 87
Kim, Ryan W. 463
Kleemann, Samuel G.L. 202
Kruger, Greg R. 494, 652
Krutz, L. Jason 427
Kumar, Virender 66
Légère, Anne 187
Lamego, Fabiane P. 474
Lee, Ryan M. 463
Lemieux, Claudel 187
Leon, Ramon G. 103
Leroux, Gilles D. 187
Lezaún, Juan A. 660
Li, Xiangju 521
Li, Yang-Ping 26
Li, Zhengming 133
Liao, Yu L. 256
Llewellyn, Rick S. 61
Locke, Martin A. 442
Longchamps, Louis 187
Loux, M.M. 652
Loux, Mark M. 494
Lu, Wei 133
Luschei, Edward C. 163, 442
MacDonald, Gregory 31
Mallory-Smith, Carol 451, 574
Malone, Julian 103
Mangolin, Claudete A. 54
Markham, Melinda Y. 208
Mashhadi, Hamid R. 613
Masin, Roberta 194
Mauromoustakos, Andy 94, 394
Maxwell, Bruce D. 241
Mayhew, Cassandra R. 1
McCullough, Patrick E. 470
McMaster, Gregory S. 175
McPherson, Marc A. 124
Menalled, Fabian D. 241
Mikel, Mark A. 463
Mock, Valerie A. 281, 489
Molnar, Louis J. 311
Mortensen, David A. 442, 533
Muir, Jennifer L. 410
Netherland, Michael D. 482
Nie, Jun. 256
Nielsen, Helle H. 338
Nielson, Ryan L. 124
Nissen, Scott J. 10, 43
Norsworthy, Jason K. 644
O'Donovan, John T. 124, 326
Ohadi, Sara 613
Oldham, Michelle 149
Oliveira, Rubem S., Jr 54
Oliver, Lawrence R. 567
Omar, A.A. 16
Otto, Stefan 194
Owen, Mechelle J. 61
Owen, Micheal D.K. 74
Pagano, Margaret A. 142
Panneton, Bernard 187
Pataky, Jerald K. 296
Perez-Jones, Alejandro 574
Peterson, Dallas E. 169
Peterson, Vanelle F. 10
Place, George T. 290
Pollnac, Fredric W. 241
Powles, Stephen B. 61
Preston, Christopher 43, 435
Price, Andrew J. 427
Puri, Atul 482

QinghuiMeng, ... 521
Rains, G.C. 404
Ransom, Corey V. 21, 149
Rasmussen, Jesper. 338
Reberg-Horton, S. Chris. 290
Recasens, J. 505
Reddy, Krishna N. 427
Rice, Charles A. 21
Riechers, Dean E. 369, 442
Rieseberg, Loren H. 451
Rinella, Matthew J. 304
Sales, Marites A. 394
Sanguankeo, Paolo P. 103
Sans, F.X. 505
Scott, Robert C. 94
Sellers, Brent 31
Shaner, Dale L. 10, 48, 118
Sharma, S. 16
Shen, Jianying 133
Shen, Mingquan 133
Shen, Xiaoxia 547
Shivrain, Vinod K. 94, 394
Shock, Clinton C. 21
Shrestha, Anil 48
Sikkema, Peter H. 665
Simard, Marie-Josée 187
Singh, M. 16
Sleugh, Byron B. 10
Smith, Kenneth L. 94, 394
Smith, Richard G. 442, 533
So, Yim F. 296
Soliman, Salah A. 6
Sosnoskie, Lynn M. 261, 404
Spokas, Kurt 216
Stachler, J.M. 652
Stachler, Jeff M. 494
Steckel, Lawrence E. 346
Sterling, Tracy M. 442
Stewart, C. Neal, Jr 451
Stoltenberg, David E. 208, 271
Sui, Biaofeng 521
Swanton, Clarence J. 665
Taab, Alireza 526
Tao, Liming 547
Tardif, Francois 665
Tavakol-Afshari, Reza 613
Thimmapuram, Jyothi 463
Thinglum, Kate A. 463
Thomas, Walter E. 357
Tranel, Patrick J. 451, 463
Trindade, Maria L.B. 579
Turkington, T Kelly. 326
Ulloa, Santiago M. 74
Upadhyaya, M.K. 386
Velini, Edivaldo D. 579
Vellend, Mark 410
Vencill, William K. 351
Vermeire, Lance T. 304
Vidal, Ribas A. 474
Wakelin, Angela M. 435
Wang, Ching-Yuh. 229
Wang, Hsiang-Hua. 229
Wang, Jingjing 31
Ward, Sarah M. 43, 593
Webster, Theodore M. 81, 261, 351, 404, 603
Wei, Shouhui 521
Weller, Stephen C. 417, 652
Wen, Xiao-Na. 248
Westra, Philip 10, 43
Westwood, James H. 442, 451
White, Scott 541
Wilcut, John W. 1, 357
Wiles, L.J. 175
Wilfong, Bryan N. 512
Williams, Martin M., II 296, 319
Woodyard, Andrew J. 369
Wright, Chris L. 463
Xie, Jian. 256
Xie, Xin-Ming. 248
Xu, Wenping 547
Yang, Rong-Cai 124
Yin, Li C. 256
York, Alan C. 1, 357
Young, Stephen L. 449
Yu, L.Q. 554
Yuan, Sheng 547
Zablotowicz, Robert M. 427
Zanin, Giuseppe 194
Zapiola, Maria L. 451
Zhang, Chaoxian 521
Zhang, Hongjun 521
Zhang, J.P. 554
Zheng, Sheng X. 256

Subject Index—Volume 57
January–December 2009

α diversity 241
β diversity 241
2,4-D 584
5-enolpyruvylshikimate-3-phosphate synthase . 435
absorption 1, 16, 118, 357, 567
acetolactate synthase . . 6, 108, 133, 394, 474
acetolactate-resistance synthase 169
activated carbon 66
AFLP 593
AHAS 142
allelopathy 386
ALS gene 474
ALS-herbicide resistance 362
alternative hosts 489
amino acids 133
ammonium sulfate 16
Anabaena 133
antagonism 16
aquatic weed 482
artificial seed bank 124
auxinic herbicides 10
banded fertilizer 311
Bidens 474
bioinformatics 451
biological control 554
biosafety 394
biotype 494
broad-leaved control 665
burial depth 36, 235, 379, 521
CART 281
Clearfield™ wheat 202
climate 216
combined practices 326
competition 81, 94, 103, 175, 271, 296, 346, 489
competitive ability 319
competitive cultivars 94
conidia 554
control 652
convex hull 163
corn 1, 665
cotton 357
cover crops 66, 103, 417, 533
Cramér–von Mises nonparametric test . . 505
critical weed-free period 346
crop density 326
crop health 326
crop height 326
crop rotation 175, 326, 417
crop tolerance 296
crop yield loss 187
crop–weed interactions 208
cropping systems 417
cross-adaptation 427
cross-resistance 652
cultivation 103, 338
cultural practices 326
cultural weed control 296
decision aid 87
decision support system 187
decision trees 281
demographic rates 163
density 61
density dependence 175
depth of burial 31
depth of emergence 149
dicamba 108
dicamba resistance 43
direct seeding 326
diversity 103, 241
DNA 133
DNA sequence 463
DNA sequencing 451
dormancy 31, 124, 149, 155, 613
dormancy induction 526
dormancy reduction 526
dormant seeds 526
dose–response 652
economics 61
efficacy 470
emergence 36, 66, 235, 379
emergence patterns 644
emergence rate 94
environmental modeling 216
EPSPS 142, 435
Esterase isozymes 54
ETM+ 512
exotic species 410
exotic weed 81, 603
exponential decay equation 351
factor analysis 296
Fallopia 584
fecundity 21, 494
Federal Noxious Weed List 81, 603
fertility 21
fertilizer 256
fertilizer placement 311
field demography 163
fitness 410, 494
fitness penalty 435
flowering synchrony 394
frugivory 603
gene expression 451
gene flow 394, 404
genetic 54
genetic differentiation 26
genetic diversity 54, 410, 627
genetic diversity analysis 593
genetic transformation 451
genetic variation 410
genetically modified crops 108
genomics 451, 463
geostatistics 505
germination 26, 235, 304, 379, 613
germination light 36
glucosinolates 386
glufosinate 1, 108, 357
glutathione S-transferases 369
glyphosate 108, 229, 261, 584
glyphosate resistance 48, 118, 124, 435
glyphosate resistant crops 74
glyphosate tolerance 74
glyphosate translocation 435
glyphosate-resistant 346, 665
GMO 108
Gompertz function 660
granivory 603
grass control 665
grasses 541
grassland 304
green manure 66
growing degree days 660
growth 66
growth habit 494
half-life 351, 427
herbicidal activity 6
herbicide 133, 505, 652
herbicide dissipation 351
herbicide efficacy 16
herbicide mode of action 579
herbicide persistence 351
herbicide physiology 10
herbicide resistance . . 48, 61, 118, 169, 281, 404, 435, 463, 474, 482, 567, 579
herbicide resistant crops 108
herbicide synergy 369
herbicide timing 417
herbicide-resistance 394
herbicide-resistant 494
hexazinone-resistance 574
horticulture 541
HPPD inhibitor 369
HPPD-inhibiting herbicides 563
hybrid rice 94
hybrids 563
image analysis 187
imazapyr 584
imazethapyr-resistant rice 394
imidazolinone 108, 142, 202
indicator species 261
inheritance 43
injection 229
integrated weed management . . 296, 319, 326, 417
interference 81, 296
invasion 304
invasive species 54, 482, 603
invasive weed 26, 603
isopropyl isothiocyanate 386
ISSR 593
JAVA 216
Kolmogorov-Smirnov 163
Landsat 512
lawn weed 248
leaf phenology 512
legume 149
light 31, 235, 379, 521
light quality 208, 271
low density polyethylene mulch 351
maize 142
management 61
manure 256
mapping 505
mechanical weed control 290, 338
metabolism 1, 10, 229, 357
metsulfuron 620
mode of action 6
modeling 194, 271
molecular basis 362
molecular markers 593
multiple-resistance 652
multivariate analysis 256
mycoherbicide 554
mycotoxins 547
natural products 547
NDVI 512

next-generation sequencing 463
nitrogen-fixing cyanobacteria 133
nonnative weed 81
nonparametric 163
nontarget effects 133
Normalized Difference Vegetation Index .. 512
novel sowing technique 194
optimal agronomics 326
organic agriculture 241
organic farming 290
organic weed management 290
Oryza sativa L. 627
osmotic potential 521
patch dynamics 541
persistence 124
persistence model 427
pH 31, 521
phenology 296
phloem 229
phosphorus concentration 311
phosphorus fertilizer 311
photoblasty 613
photoregulation 584
photosynthesis 169, 574, 579
photosystem II 579
photosystem II inhibitor 369
physical weed control 338
phytochrome 208
phytohormones 584
pigment content 482
plant biomass 21
plant invasion 410
plant reproduction 21
planting date 81, 94, 319
plasticity 26
point mutations 362
pollen flow 394
pollen movement 404
Polygonum cuspidatum 584
polyploidy 474
population dynamics 163
population genetics 593
population-based threshold models 155
potato cultivation 87
power law 248
prescribed burning 304
preventive weed control 541
protein content 133
protein secondary structure 362
protox-inhibitor herbicides 169
PS II inhibitors 574
psbA 574
pulse-chase 163, 533
pyrimidinylthiobenzoate 142
pyrosequencing 463
quantiles of movement 163
RAPD 593
recruitment 21
red : far-red ratio 271
reduced herbicide rates 326
regression analysis 248
relative humidity 394
residual weed population 187
residue 36, 235, 379
residue effects 66
resistance mechanism 567
restriction digestion 362
Reynoutria 584
risk management 319
rotation 261, 665
Roundup Ready 665
ryegrass 61
salt stress 521
sampling 593
scarification 149
sec-butyl isothiocyanate 386
seed bank 533
seed dispersal 603
seed germination 31
seed mortality 304, 613
seed production 410
seed size 26
seedbank 202
seedbank dynamics 417
seedling recruitment 526
segregation 43
semivariogram 505
sesquiterpene lactones 6
shikimate accumulation 74
shikimate assay 48
shikimate pathway 567
shikimic acid 74
simazine 427
simple sequence repeat (SSR) 627
simulation 175, 216
site-specific weed management 187
soil moisture 21
soil seed bank survey 149
soil stirring 526
soil temperature 660
soil texture 620
soil water potential 21
source-sink 584
soybean 665
soybean canopy 644
spatial dependence 505
spatial distribution 163
spatial diversity 627
spatial dynamics 163
spatial heterogeneity 248
species diversity 248
species richness 241
species-area curve 241
spring wheat 241
sprouting resistance 124
SSR 463, 593
stale seedbed 290
stratification 620
structure of populations 54
sulfometuron 620
sulfonylamino–carbonyl–triazolinone ... 142
sulfonylurea 108, 142
survey 652
synthetic seed bank 163
systems biology 451
tank mixture 16
target site mutation 435
temperature 26, 31, 235, 379, 521, 620
temporal weed emergence 644
tillage 261, 338, 533, 644
TM 512
translocation 1, 16, 229, 357, 567
triazine resistance 169
triazolopyrimidine 142
tropical spiderwort 603
tuber number 21
turfgrass 470
validation 660
viability 149
volunteer wheat 124
water stress 26, 31
watering regime 620
weed biology 21, 451
weed biomass 311
weed biotype 94
weed communities 261
weed community 103, 241, 256
weed control 660
weed density 256
weed diversity 256
weed emergence dynamics 194
weed emergence prediction 87
weed management 202, 505
weed population dynamics 155
weed resistance 118
weed seed production 175
weed seedbank 311
weed suppression 103
weed suppressive ability 296
weed survey 281
weed–crop competition 194
weed–crop interactions 271
WeedCast model 87
weedy rice 627
wheat yield 311
winter annual weeds 489
winter wheat 665
xylem 229
yield loss 81
yield stability 665